

Fanuc Ltd., presently the assignee of the entire interest including all rights in the above-identified application, having a principal place of business at 3580, Shibokusa Aza-komanba, Oshino-mura, Minamitsuru-gun, Yamanashi, 401-05 Japan, hereby consents to reissue of U.S. Letters Patent No. 5,845,053. The Assignment to Fanuc Ltd. was recorded at Reel 7733, Frame 0991, for application Serial No. 08/548,146 filed October 25, 1995. The evidentiary documents have been reviewed and it is certified that to the best of the assignee's knowledge and belief, title is in the assignee and the undersigned has the authority to act on the behalf of the assignee, Fanuc Ltd.

OFFER TO SURRENDER

Pursuant to 37 C.F.R. §1.178, Fanuc Ltd. hereby offers to surrender original U.S. Letters Patent 5,845,053.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: Jan. 15, 2001

Ryoichiro Nozawa
By: Mr. Ryoichiro Nozawa
Title: Chairman
Fanuc Ltd.



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Docket No. 392.1444RE/WMS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of:

Atsushi WATANABE, et al.

Serial No.: 09/725,952

Group Art Unit:

Filed: November 30, 2000

Examiner:

For: METHOD FOR TEACHING WELDING TORCH ORIENTATION

REISSUE APPLICATION DECLARATION UNDER 37 C.F.R. § 1.175

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

We, Atsushi WATANABE, Takayuki ITO and Tatsuo KARAKAMA declare that:

1. Our residences, post office addresses and citizenships are as stated below next to our respective names.

2. We believe we are the original, first and joint inventors of the subject matter which is described and claimed in U.S. Letters Patent No. 5,845,053 ("the '053 patent") granted on December 1, 1998, and for which invention we solicit a reissue patent on the invention entitled METHOD FOR TEACHING WELDING TORCH ORIENTATION, the specification of which is attached hereto.

3. We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims as amended in the attached reissue application.

4. We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

5. We hereby claim priority benefit under Title 35, United States Code, Section 119(a)-(d), of Japanese Patent Application No. 6-283969, filed October 25, 1994.

6. We believe the original '053 patent to be wholly or partly inoperative or invalid by reason of claiming more or less than we had the right to claim in the patent.

7. With respect to broadening the claims, one error being relied upon as the basis for the reissue is that claims 1 and 2 are unduly narrow due to the recitation of "for each section". Accordingly, in the reissue application, claims 1 and 2 have been written to omit the above-identified limitation. In addition, issued claims 1 and 2 are unduly narrow for reciting a forward angle which is an inclined angle of the welding torch with reference to a direction of the section. As such, claims 1 and 2 have been written to recite the forward angle is an inclined angle of the welding torch "with reference to a weld line".

8. All errors, including those listed above, which are being corrected up to the time of filing of this reissue declaration arose without any deceptive intention on the part of the

application (37 CFR §1.175(a)(2)).

9. We hereby appoint the attorneys and/or agents of Staas & Halsey LLP under USPTO Customer No. 21,171 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence related to the above-identified application to the following address:

Staas & Halsey LLP
700 Eleventh Street, N.W.
Suite 500
Washington, D.C. 20001



21171

PATENT TRADEMARK OFFICE

10. We hereby declare that all statements made herein of our own knowledge are true, that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole inventor Atsushi WATANABE

Inventor's Signature Atsushi Watanabe Date Jan 16 2001

Country of Citizenship Japan

Residence Tokyo, Japan

Post Office Address 3-3-15-109, Takaido-Higashi, Suginami-ku, Tokyo, 168-0072, Japan

Full name of second inventor Takayuki ITO

Inventor's Signature Takayuki Ito Date Jan 25, 2001

Country of Citizenship Japan

Residence Rochester Hills, Michigan, U.S.A.

Post Office Address 1085 Olympia, Rochester Hills, Michigan 48306

Full name of third inventor Tatsuo KARAKAMA

Inventor's Signature Tatsuo Karakama Date Feb 1, 2001

Country of Citizenship Japan

Residence Yamanashi, Japan

Post Office Address FANUC Dai3virakaramatsu, 3527-1, Shibokusa, Oshino-mura,
Minamitsuru-gun, Yamanashi, 401-0511, Japan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of:

Atsushi WATANABE, et al.

U.S. Patent No.: 5,845,053

Group Art Unit:

Issued: December 1, 1998

Examiner:

For: METHOD FOR TEACHING WELDING TORCH ORIENTATION

**CONSENT OF ASSIGNEE TO FILING OF REISSUE APPLICATION
AND OFFER TO SURRENDER ORIGINAL PATENT**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Petitioner, _____, represents that I am a _____ of the Assignee identified below owning the entire interest in the above-identified patent and am authorized by the Assignee to assent to the filing of the subject application for reissue of the subject application for reissue of the subject U.S. Letters Patent 5,845,053 and to sign on behalf of the Assignee.

CONSENT OF ASSIGNEE AND STATEMENT UNDER 37 CFR §3.73(b)

Fanuc Ltd., presently the assignee of the entire interest including all rights in the above-identified application, having a principal place of business at 3580, Shibokusa Azakomanba, Oshino-mura, Minamitsuru-gun, Yamanashi, 401-05 Japan, hereby consents to reissue of U.S. Letters Patent No. 5,845,053. The Assignment to Fanuc Ltd. was recorded at Reel 7733, Frame 0991, for application Serial No. 08/548,146 filed October 25, 1995. The evidentiary documents have been reviewed and it is certified that to the best of the assignee's knowledge and belief, title is in the assignee and the undersigned has the authority to act on the behalf of the assignee, Fanuc Ltd.

DOCKET 392.1444RE/WMS

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Date: _____

By: Mr. Ryoichiro Nozawa
Title: Chairman
Fanuc Ltd.

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Full name of first or sole inventor Atsushi WATANABE

Inventor's Signature _____ Date _____

Country of Citizenship Japan

Residence Tokyo, Japan

Post Office Address 3-3-15-109, Takaido-Higashi, Suginami-ku, Tokyo, 168-0072, Japan

Full name of second inventor Takayuki ITO

Inventor's Signature _____ Date _____

Country of Citizenship Japan

Residence Rochester Hills, Michigan, U.S.A.

Post Office Address 1085 Olympia, Rochester Hills, Michigan 48306

Full name of third inventor Tatsuo KARAKAMA

Inventor's Signature _____ Date _____

Country of Citizenship Japan

Residence Yamanashi, Japan

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Minamitsuru-gun, Yamanashi, 401-0511, Japan